BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 2400000.00

Name of Work: Detailed Estimate for the work of Providing Vehicles of parking adjucent to Railway wheel factory compound wall from dairy circle in ward No-04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3) SR 2016-17	cum							
	Desiting of existing drains		1	375.00	1.00	0.60	225.00		
	berm cutting		1	100.00	2.00	0.20	40.00		
	for shoulder drains		8	9.00	1.00	0.80	57.60		
	for cc road		1	15.00	5.00	0.30	22.50		
	culvert		1	6.00	1.50	1.00	9.00		
	for parking lot		1	100.00	9.00	0.30	270.00		
							624.10	200.34	125032.00
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	**200.34**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				624.10	85.65	53453.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 6%	4.85							
	Total	**85.65**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum							
	for parking lot		1	100.00	6.50	0.40	260.00		
	in between compound and drain		1	375.00	1.50	0.40	225.00		
							485.00	**320.12**	**155258.20**
	Basic Rate	302.00							
	Area Weightage @ 6%	18.12							
	Total	**320.12**							
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2016-17	**Cum**							
	for shoulder drain		8	9.00	1.00	0.15	10.80		
	for cc road		1	15.00	5.00	0.15	11.25		
	for culvert		1	6.00	1.20	0.15	1.08		
	for parking lot		1	100.00	2.50	0.15	37.50		
							60.63	**5159.02**	**312791.00**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Sqm							
	SSM wall		2	90.00	0.45	0.25	20.25		
							20.25	4438.22	**89874.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							
6	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)	Sqm							
			2	90.00		1.20	216.00		
							216.00	102.82	**22209.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
7	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 27/ Item No. 5.27/ PWD SR 2016-17	Sqm							
		8x2	16	9.00	0.40		57.60		
							57.60	993.22	**57209.00**
	Basic Rate	937.00							
	Area Weightage @ 6%	56.22							
	Total	**993.22**							
	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 Page No. 32/ Item No. 7.9/ PWD SR 2016-17	Kgs							
	for shoulder mesh								
	10mm dia squre rods in both ways 2x5x0.45=4.5 Mtrs x 0.785 kg / mtrs =4 Kgs / Nos +								
	Equal Angel 30mmx30mm =1.48kg/mtr = 4sidex0.5mtr = 2.00mtrsx1.48=2.80kg / Nos								
	2.80+4.00=7.00kgs/Nos		9	7			63.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							63.00	82.68	5209.00
	Basic Rate	78.00							
	Area Weightage @ 6%	4.68							
	Total	**82.68**							
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
	for coping	8x2	16	9.00	0.20	0.075	2.16		
	for vent		1	90.00	1.00	0.075	6.75		
	for culvert		1	6.00	1.20	0.23	1.66		
	side walls	2x1	2	6.00	0.23	0.90	2.48		
	deck slab		1	6.00	1.20	0.23	1.66		
							14.71	**6371.66**	**93702.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	**Quintal**							
	for culvert 90 kg/cum		0.900	**5.80**			5.22		
				5.80			**5.22**	**5605.00**	**29238.00**
	Basic Rate	5605.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2016-17	sqm							
	culvert	1x4	4	6.00		0.90	21.60		
	deck slab		1	6.00	0.60		3.60		
		1x2	2	6.00		0.23	2.76		
		1x2	2	1.20		0.23	0.55		
							28.51	**310.58**	**8855.00**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
12	RCC Precast covering slab for drain (10cm thick)	sqm							
			8	9.00	0.90		64.80		
	missing covering slab for existing drains		1	82.00	1.80		147.60		
	340 Mtrs consider 25% of missing qty								
	Rate Approved by BBMP	**2100.00**					**212.40**	**2100.00**	**446040.00**
13	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum), , No. 174/ Item No. 22.6.1 SR 2016-17	Cum							
	for cc road		1	15.00	5.00	0.10	7.50		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for parking lot		1	100.00	2.50	0.10	25.00		
							32.50	**6217.96**	**202084.00**
	Basic Rate	5866.00							
	Area Weightage @ 6%	351.96							
	Total	**6217.96**							
14	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 177 Item No 22.7 SR 2016-17	**Sqm**							
			1	15.00	5.00		75.00		
			1	100.00	2.50		250.00		
							325.00	**95.40**	**31005.00**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							
15	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 178 SR 2016-17	**Rmt**							
	for cc road		5	5.00			25.00		
			35	2.50			87.50		
							112.50	**121.90**	**13714.00**
	Basic Rate	115.00							
	Area Weightage @ 6%	6.90							
	Total	**121.90**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.101/ Item No. 14.7 / PWD SR 2016-17	Sqm							
			1	100.00	6.50		650.00		
	Basic Rate	970.00					650.00	1028.20	668330.00
	Area Weightage @ 6%	58.20							
	Total	1028.20							
17	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 28/ Item No. 5.29/ PWD SR 2016-17	Nos							
	at parking lot		220						
	Basic Rate	364.00					220.00	385.84	84884.80
	Area Weightage @ 6%	21.84							
	Total	385.84							
18	Miscellaneous charges								
									1112.00
								Total	2400000.00

(Rupees Twenty four Lakhs Only)

CERTIFICATE

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per C.S.R. of 2016-17
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

Administrative Approval
Accorded For 24.00 lakhs
Head of A/C..... P1771
CER NO :..... 208 Dt:.. 16.2.17

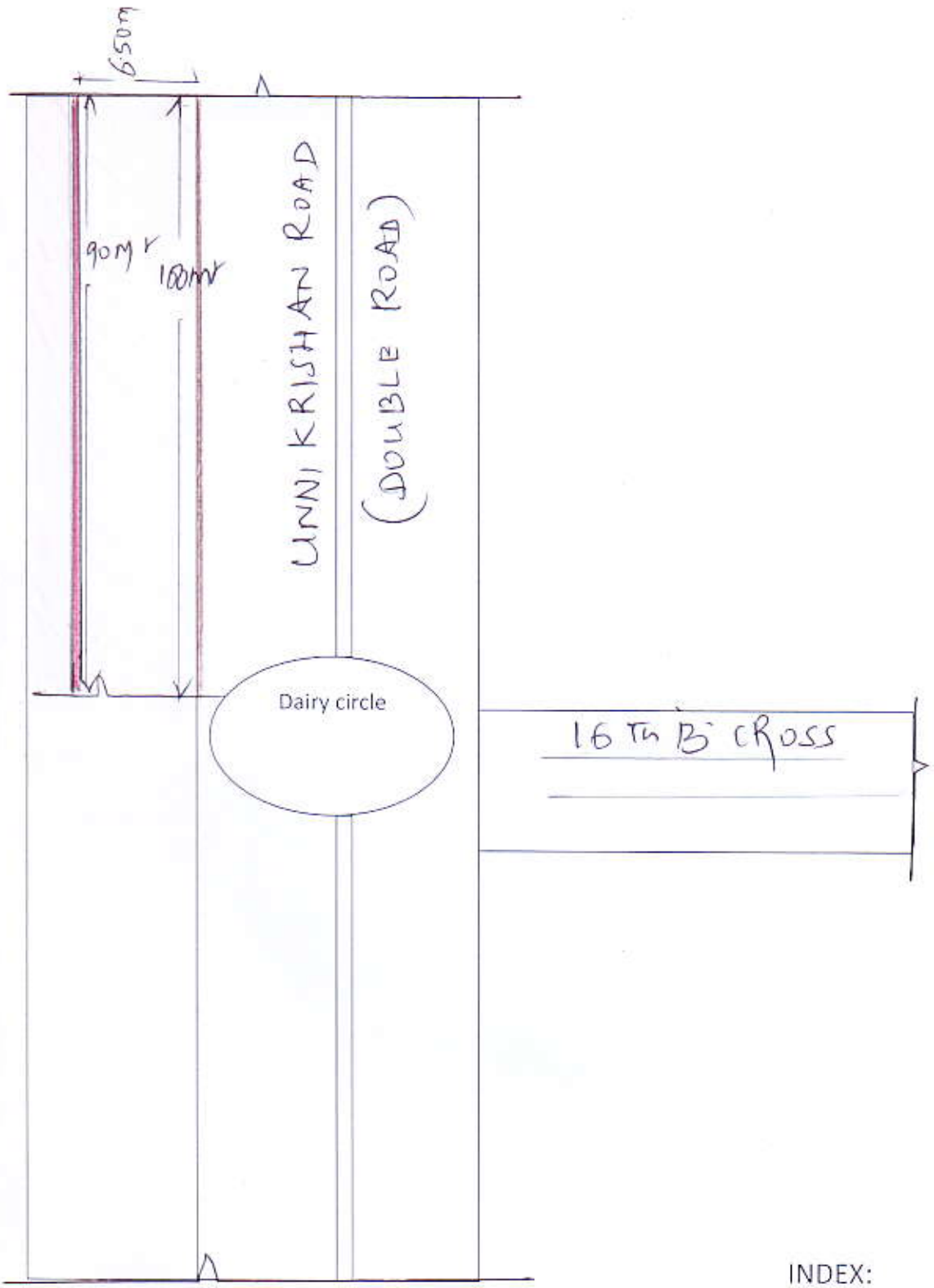
Executive Engineer
Yelahanka Division
Bangalore-64

TA CE (YNK)

Administrative Approval
Accorded For 24.00 lakhs.
Head of A/C..... P1771
CER NO :..... 143 Dt:.. 16/02/17

TA CE (YNK)

NAME OF WORK: Providing Vehicles of parking adjucent to Railway wheel factory compound wall from dairy circle in ward No-04.



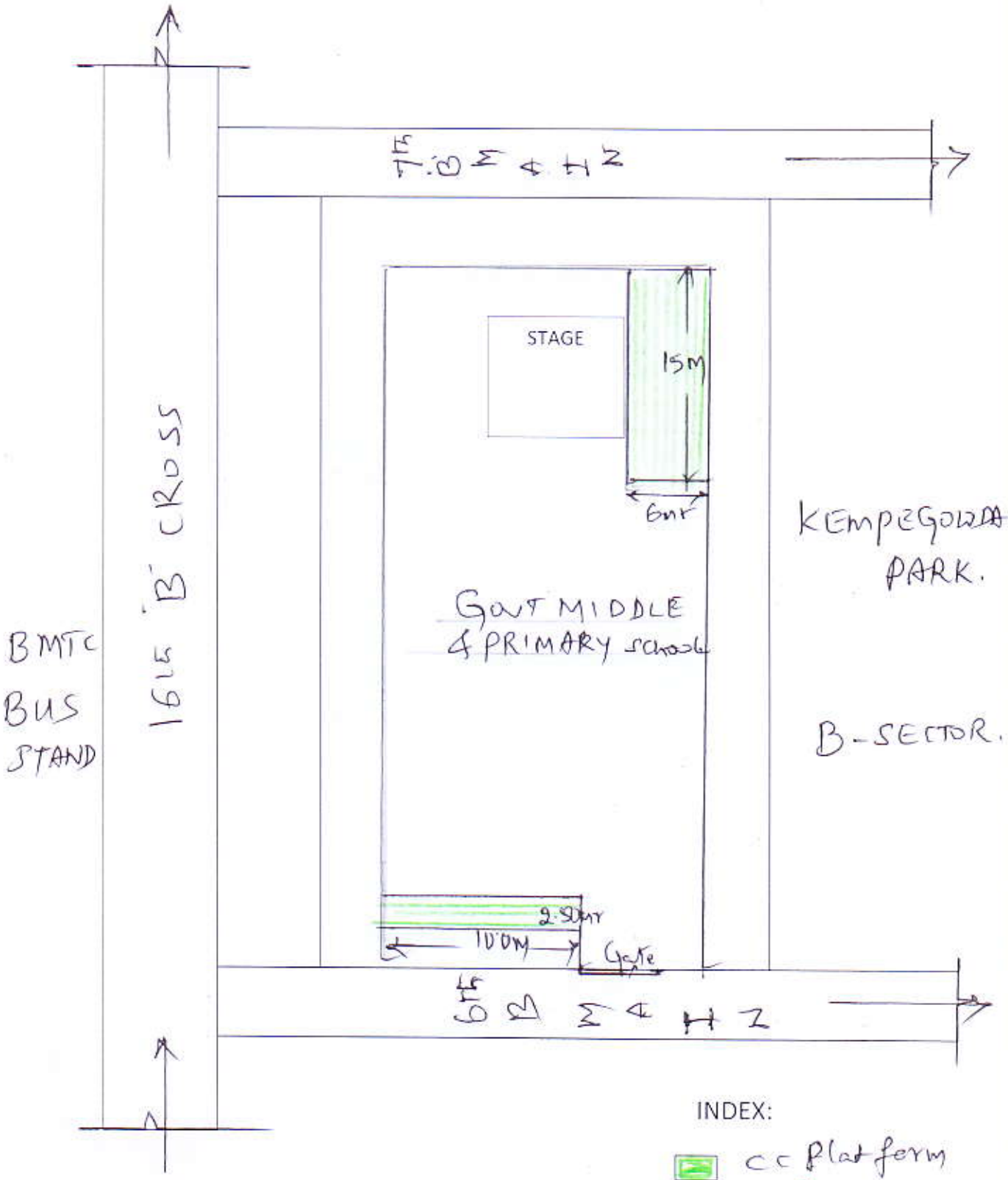
INDEX:

SSM DRAIN
Gravel Embankment
Kerb Stone

A.E. Ramanagaram

A.E.E.

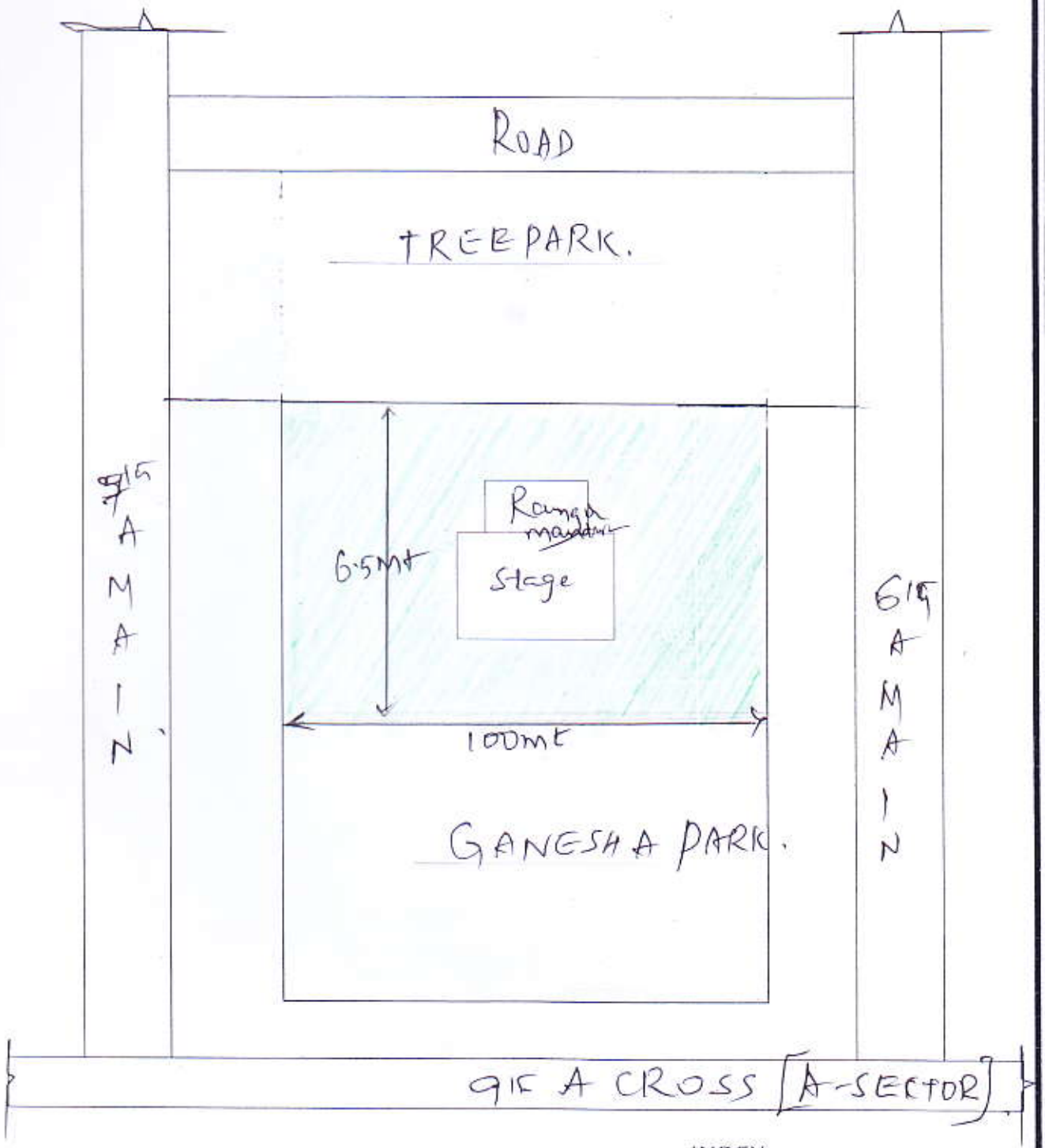
NAME OF WORK: Providing Vehicles of parking adjucent to Railway wheel factory compound wall from dairy circle in ward No-04.



A.E. Ramanjaneyulu

A.E.E.

NAME OF WORK: Providing Vehicles of parking adjucent to Railway wheel factory compound wall from dairy circle in ward No-04.



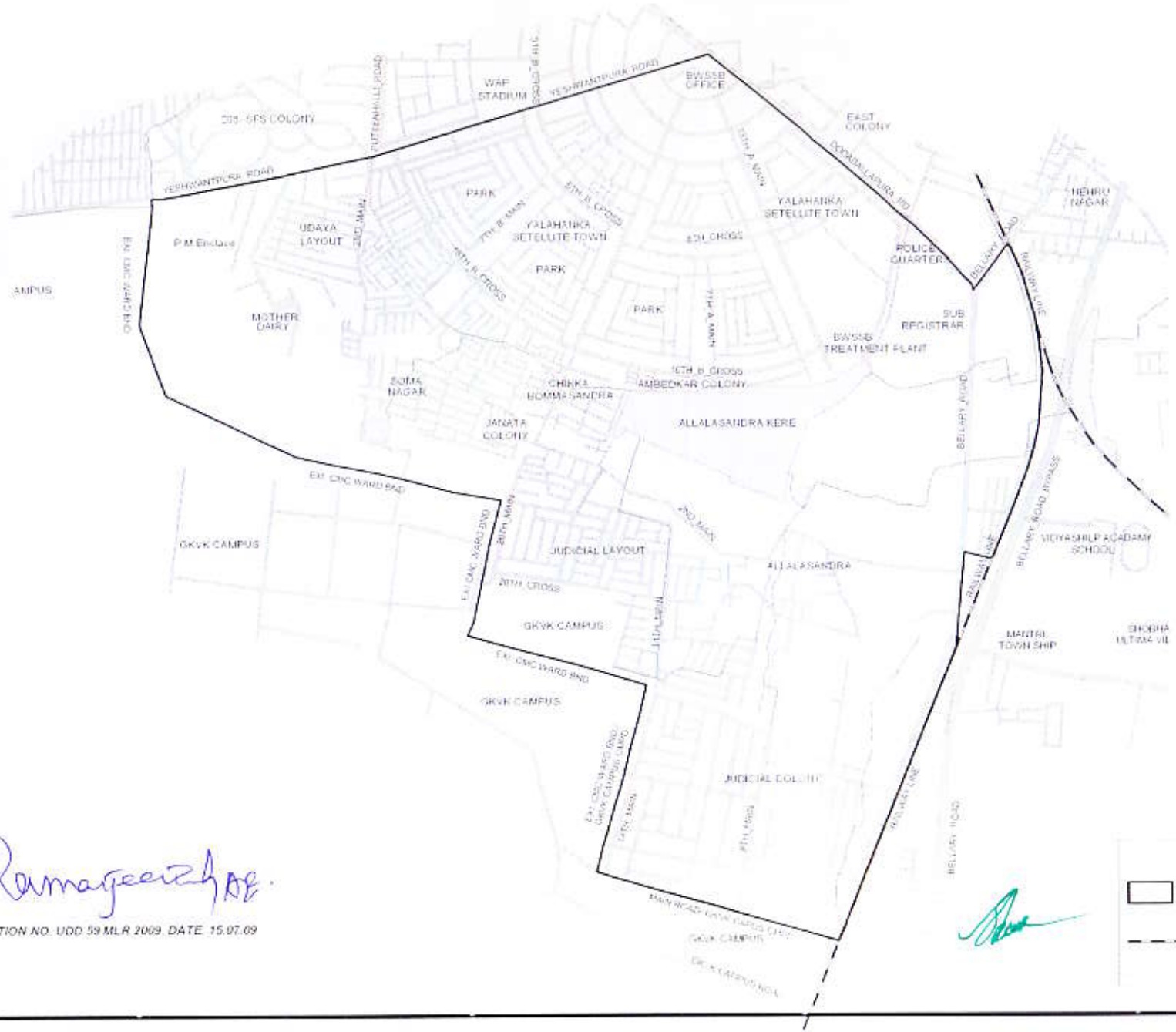
INDEX:

Cobble paving

A.E. Ramanjeeraiah AE.

A.E.E.

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN



NOTIFICATION NO. UDD 59 MLR 2009, DATE. 15.07.09